

tv



PHILIPS

MODEL : _____

PROD. NO : _____

GB Please note the reference numbers for your TV set located on the packaging or on the back of the set.

Contents

Help?

If this instruction manual does not give an answer or if 'Tips' do not solve your TV problem, you can call your Local Philips Customer or Service Centre. See the supplied World-wide guarantee booklet.

Please, have the Model and Product number which you can find at the back of your television set or on the packaging, ready, before calling the Philips helpline.

Model:

Product No:

Due to continuous product improvements this manual is subject to change without notice.

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End of life directives

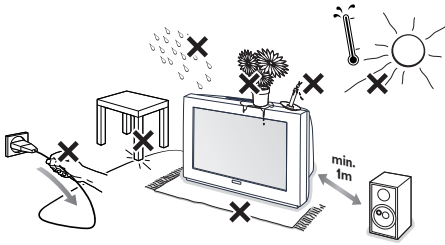
Philips is paying a lot of attention to producing environmentally-friendly in green focal areas. Your new TV contains materials which can be recycled and reused. At the end of its life specialised companies can dismantle the discarded TV to concentrate the reusable materials and to minimise the amount of materials to be disposed of. Please ensure you dispose of your old TV according to local regulations.




EasyLink features are based on the "one touch operation" approach. This means that a sequence of actions are executed at the same time in both the television and the video cassette recorder, provided both are fitted with the EasyLink function and connected with the eurocable supplied with your video recorder.

Preparation

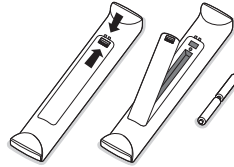
- 1 Place the TV on a solid surface.




For ventilation, leave at least 5 cm free all around the TV. Do not place the TV on a carpet. To prevent any unsafe situations, do not place any objects on top of the TV. Avoid heat, direct sunlight and exposure to rain or water.

- 2 Insert the aerial plug firmly into the aerial socket  at the back of the TV.
- 3 Insert the mains plug of the TV in the wall socket having a mains voltage of 220V-240V.

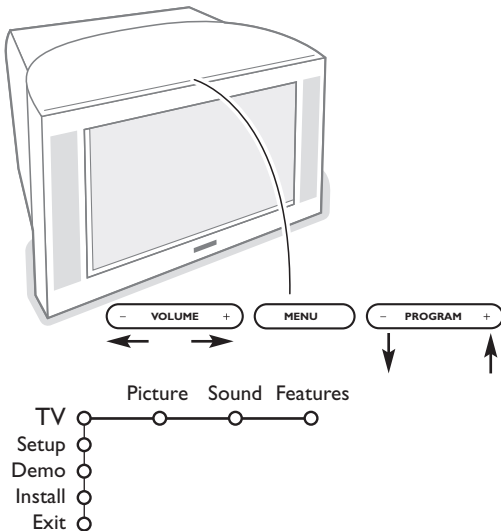
- 4 **Remote control:** Insert the 2 batteries supplied (Type R6-1,5V).



The batteries supplied do not contain the heavy metals mercury and cadmium. Please check on how to dispose of exhausted batteries according to local regulations.

- 5 Switch the TV on : Press the power switch ① on the front of your TV.
A blue indicator on the front of the TV lights up and the screen comes on. If the TV is in standby mode (red indicator), press the **-P+** keys or the red  key on the remote control.

Keys on top of the TV



Should your remote be lost or broken you can still change some of the basic settings with the keys on top of your TV.

Press:

- the **VOLUME** - or + key to adjust the volume;
- the **PROGRAM** - or + key to select the TV channels or sources.

Press the **MENU** key to summon the main menu without the remote control.

Use:

- the **VOLUME** - or + key and the **PROGRAM** - or + key to select menu items in the directions as shown;
- the **MENU** key to confirm your selection.

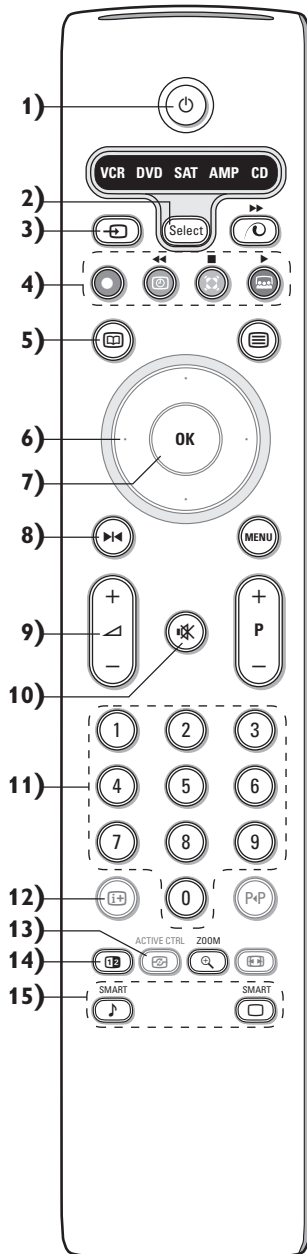
Note:

When activated via the **MENU** key on top of the TV, only **Exit** lets you dismiss the menu.

Navigate to **Exit** and press the **MENU** key.

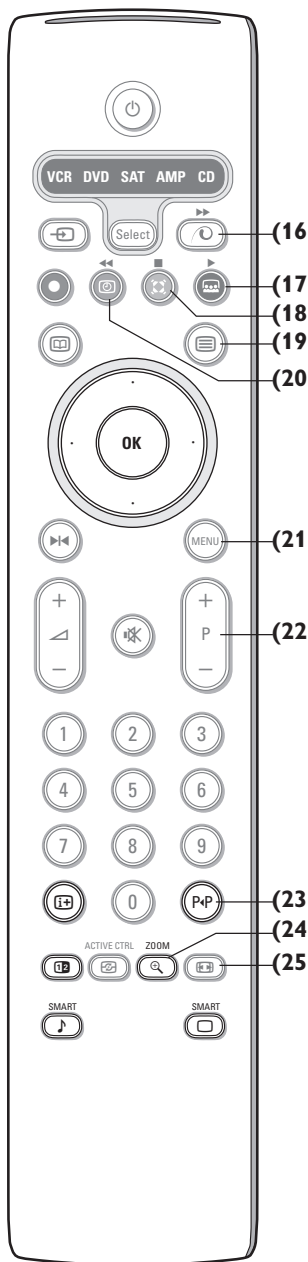
Use of the remote control

Note: For most keys pressing a key once will activate the function. Pressing a second time will de-activate it. When a key enables multiple options, a small list will be shown. Press repeatedly to select the next item in the list. The list will be removed automatically after 4 seconds or press **OK** to remove immediately.



- 1) **Standby**
Press to switch the TV on or off.
When switched off, a red indicator on the TV lights up.
- 2) **VCR DVD SAT AMP CD**
Audio and Video equipment keys (p. 17)
- 3) **Select peripherals (p. 16)**
- 4) **Instant record**
Audio- and Video equipment keys (p. 17)
See Record with your recorder with EasyLink, p. 17.
- 5) **Teletext Guide on/off** (only available on certain versions) **p. 12**
Press the **12** key to show Teletext Guide on the right half of the screen.
- 6) **Cursor**
Used to move around the menus and select adjustments.
- 7) **OK** Press this key
 - to activate your choice, when in the menus.
 - to display the programme list.
- 8) **Freeze**
To freeze the picture.
- 9) **-VOL+ (Volume)**
To adjust the volume.
- 10) **Mute** Interrupt the sound or restore it.
- 11) **0/9 Digit keys**
To select a TV channel.
For a two digit programme number, enter the second digit before the dash disappears. To switch immediately to a selected one digit TV channel, keep the digit key pressed a bit longer.
- 12) **On Screen information**
Press to display information about the selected TV channel and programme.
Menu/Remote control info
When a menu is on screen, press **i+** to display info on the selected menu item. For information on the remote control functions, while the menu info is displayed, press any key on the remote control.
The normal function of the key is not executed.
- 13) **Active control** (only available on certain versions) **see p. 10**
- 14) **Dual screen** (only available on certain versions)
 - 1) Press the **i+** or **i-** key.
Press the **12** key to show Teletext or Teletext Guide on the right of the screen.
 - 2) **Picture/Teletext Guide:**
 - Press the cursor left/right to select a TV channel.
 - Press the cursor down to move the puck to the blue ball in the left screen.
 - Press **+P-** to select another TV channel.
 - **Picture/Teletext:**
See Active screen selection, p. 13.
 - 3) Press the **12** key to switch off dual screen.
- 15) **Smart keys**
To select predefined picture and sound settings. Personal refers to the personal preference settings selected in the sound and picture menu.

Use of the remote control



16) Pixel Plus 2 demo on/off

In the right part Pixel Plus 2 and Digital Natural Motion are switched on.

17) Cinema Go: See separate Cinema Link booklet supplied.

18) Surround mode

Incredible surround

With stereo transmission, and when Incredible surround is selected, it seems as though the loudspeakers are spread further apart from one another.

Virtual Dolby Surround

Optimal with Dolby surround signals. Enables you to experience the effect of Dolby surround Pro Logic, reproducing a rear sound effect. See Sound menu, 3D effect, p. 10.

Note: You can make the same selection in the Sound menu, surround mode, p. 10.

19) Teletext on/off (only available on certain versions) p. 13

Press the key to show teletext on the right half of the screen.

20) Time display: The time is displayed on the screen.

21) MENU: Main menu on/off see p. 5

22) -P+ Programme selection

To browse through the TV channels and sources stored in the favourite list.

23) P+P Smart surf

With this key you can easily switch between 2 up to 9 different TV channels or sources. See General, Smart surf, p. 7.

Press the **OK** key or wait for the time out to dismiss the Smart surf display.

24) Zoom on/off

Press the zoom key to activate/ deactivate the zoom function.

Press the **OK** key repeatedly to select one of the zoom magnifications (x1, x4, x9, x16).

Use the cursor up/down, left/right to shift the selected zoom window over the screen with the cursor.

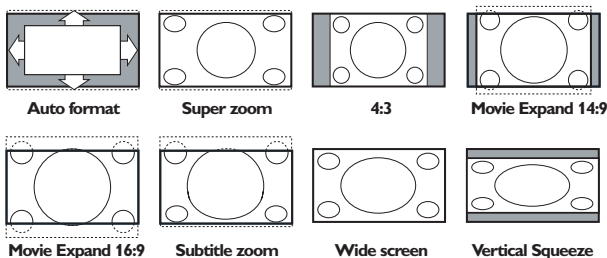
The zoom window is reset after: selecting another TV channel, another picture format or when another picture format is selected automatically.

25) Picture format

Press this key repeatedly or press the cursor up/down to select another picture format:

If your television is equipped with a 16:9 screen: Auto format, Super zoom, 4:3, Movie Expand 14:9, Subtitle zoom or Wide screen.

If your television is equipped with a 4:3 screen: Auto format, 4:3 or Vertical Squeeze.



Auto format makes the picture fill the screen as much as possible.

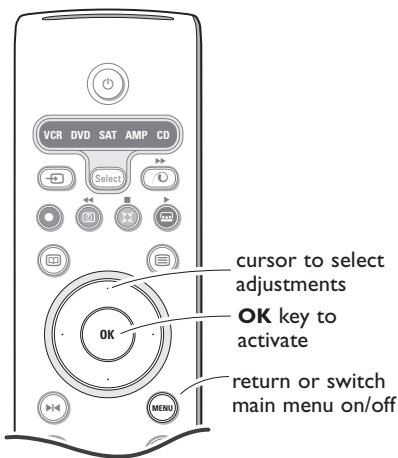
In case of subtitles in the bottom black bar, Auto format makes the subtitles visible. If subtitles are only partly visible, press cursor up.

In case of a broadcaster logo in the corner of the top black bar, the logo disappears from the screen.

Super zoom removes the black bars on the sides of 4:3 programs with minimal distortion.

When in Movie Expand 14:9, 16:9, Super zoom or Subtitle zoom picture format, you can make subtitles visible with the cursor up/down.

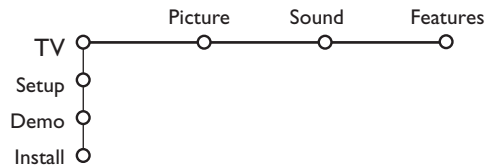
To use the menus



Press the **i+** key on the remote control to get information about the selected menu item.

- 1 Press the **MENU** key on the remote control to summon the main menu. At any moment you can exit the menu by pressing the **MENU** key again.

Note: If you have connected equipment with Cinema Link, more menu items are present.



- 2 Use the cursor in the up/down direction to select the **TV**, **Setup**, **Demo** or **Install** menu. Use the cursor left/right to select **Picture**, **Sound** or **Features**.

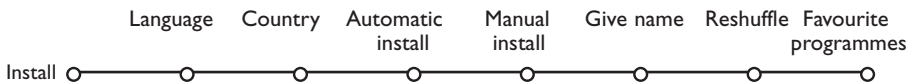
Note: Sometimes not all the menu items are visible on the screen (indicated by a cluster of blue balls). Use the cursor down or right to reveal all items.

- 3 Use the cursor in the left/right direction to select the menu item.
- 4 Use the cursor up/down again to select the control you want to select or to adjust.

Note: Items temporary not available or not relevant are displayed in a light grey colour and cannot be selected.

Installation

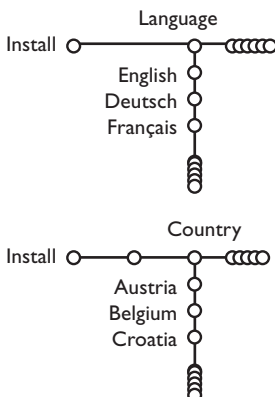
The installation menu contains the following items:



EasyLink

If your video recorder has an EasyLink function, during installation, the language, country and available channels are automatically transmitted to the video recorder.

Select the menu language and country

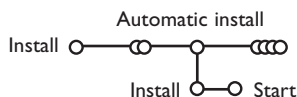


- 1 Press the **MENU** key on the remote control.
- 2 Use the cursor down to select **Install**.
- 3 Use the cursor right to select **Language**. Follow the instructions on screen.
- 4 Use the cursor up/down to select your preferred language and press the **OK** key to confirm your selection.
- 5 Use the cursor right to select **Country**.
- 6 Select the country where you are now located and press the **OK** key. Select **Other** when none of the countries applies.
- 7 Proceed with the **Install** menu.

Store TV channels

After language and country are set correctly, you can now search for and store the TV channels in two different ways: using Automatic Installation or Manual Installation (tuning-in channel by channel). Select your choice with the cursor right.

Automatic installation



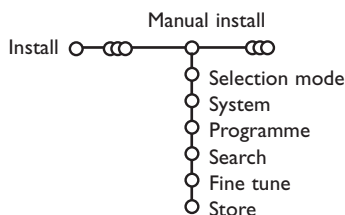
- 1 Select **Automatic install** in the Install menu.
Note: All channels must be unlocked in order to autoprogram. If requested, enter your code to unlock all channels. (See TV, Features menu, Childlock, p. 11.)
- 2 Press the cursor down. The autoprogramming option label **Start** appears.
- 3 Press the cursor right.

- 4 The message **Searching** appears and the progress of autoprogramming is displayed.

If a cable system or a TV channel which broadcasts ACI (Automatic Channel Installation) is detected, a programme list appears. Without ACI broadcast, the channels are numbered according your language and country selection. You can use Reshuffle to renumber them. See p. 7.

*It is possible that the cable company or the TV channel displays a broadcast selection menu. Layout and items are defined by the cable company or the TV channel. Make your choice with the cursor and press the **OK** key.*

Manual installation



Searching for and storing TV channels is done channel by channel. You must go through every step of the Manual Installation menu.

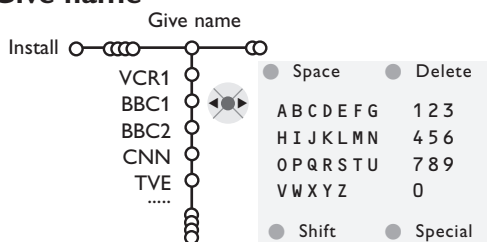
- 1 Select **Manual install** in the Install menu.
- 2 Press the cursor down.
Follow the instructions on screen.

Note: Search or direct selection of a TV channel.

If you know the frequency, the C- or S-channel number, enter the 3 or 2 digits of the frequency or the channel number directly with the digit keys 0 to 9 (e.g. 048). Press the cursor down to proceed.

Repeat to search for another TV channel.

Give name



It is possible to change the name stored in the memory or to assign a name to a TV channel for which a name has not yet been entered. A name with up to 5 letters or numbers can be given to the programme numbers 0 to 99.

- 1 Select **Give Name** in the Install menu and press the cursor down.

- 2 Select the programme number.
Note: keep the cursor up/down pressed to scroll through the programme list quickly.
- 3 Press the cursor right.
A keyboard appears on the screen. Press the cursor right to enter the keyboard. Press the cursor up/down, left/right to select the first character and press **OK**. Repeat for every character you want to enter. Select **Space** to enter a space; **Delete** to erase the highlighted character in the name entered; **Shift** to display upper- or lowercase characters on the keyboard; **Special** to display special characters on the keyboard. Press **OK** to confirm.
- 4 Press the cursor left repeatedly when you have finished the name giving.
- 5 Select another programme number and repeat steps 3 to 4.

Reshuffle the programme list

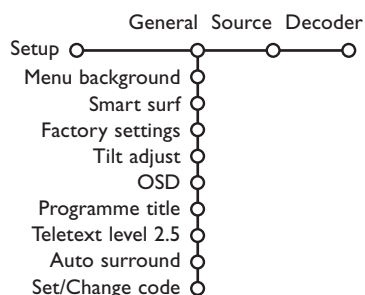
You can change the order of the stored TV channels.

- 1 Select **Reshuffle** in the Installation menu.
- 2 Follow the instructions on screen.

Select Favourite TV channels

- 1 Select Favourite programmes in the Install menu.
- 2 Select your programme number with the cursor up/down.
- 3 Select **Yes** or **No** with the cursor right.
- 4 Repeat 2 and 3 for every TV channel or external you want to make a favourite or a non-favourite TV channel or external.

TV Setup



The Setup menu contains items that control the settings of the TV's functions, features, services and peripherals you may have connected.

The **General** menu allows you to change various settings that are presumably adjusted less frequently than most other settings.

The **Source** menu allows you to select a source.

The **Decoder** menu allows you to define one or more programme numbers as decoder programme numbers.

Press the **i+** key on the remote control to get information about the selected menu item.

General

Smart surf

- 1 Select **Smart surf**.
- 2 With the cursor left/right, select
 - **2 programmes** if you want the P+P key to toggle between the current and the previously selected channel,
 - **9 programmes** if you want the P+P key to summon a list of up to 9 channels which can be selected,

To add/remove a channel or source:

Tune to the channel or source you wish to add or remove. Press the P+P key and press the cursor right to add or remove.

Note: If there are already 9 channels/sources in the list, the one at the bottom of the list will be removed.

Factory settings

This resets the picture and sound settings to their predefined factory values, but maintains the channel installation settings.

OSD (On Screen Display)

See Use of the remote control, p. 3, **i+** On screen information.

- 1 Select **OSD**.
- 2 Select **Normal** to activate the continuous display of the programme number. Also TV channel and programme information are extended. **Minimum** will display reduced channel information.

Note: When subtitles is switched on, see Features, p.11, continuous display of the programme number is not possible.

Teletext 2.5

Some broadcasters offer the opportunity to see more colours, other background colours and nicer pictures in the teletext pages.

- 1 Select **Teletext 2.5**.
- 2 Press the cursor right to select **Teletext 2.5 On** to take advantage of this feature.
- 3 Press the cursor right again to select **Teletext 2.5 Off** if you like the more neutral teletext layout.

The selection made is valid for all channels which broadcast teletext 2.5.

Note: It may take a few seconds before teletext broadcast switches over to Teletext 2.5.

Auto Surround

Sometimes the broadcaster transmits special signals for Surround Sound encoded programmes. The TV automatically switches to the best surround sound mode when **Auto Surround** is switched **On**.

Set/Change code

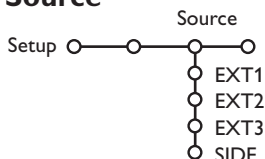
The Child lock feature (see TV, Features, p. 11) allows you to lock channels to prevent others from watching certain programmes. To watch locked channels, a 4-digit code must be entered. The Set/Change code menu item allows you to create or change a Personal Identification Number (PIN).

- 1 Select **Set/Change code**.
- 2 If no code exists yet, the menu item is set to Set code.
If a code has previously been entered, the menu item is set to **Change code**. Follow the instructions on screen.

Important: You have forgotten your code !


- 1 Select **Change code** in the General menu and press **OK**.
- 2 Press the cursor right and enter the overriding code 8-8-8-8.
- 3 Press the cursor again and enter a new personal 4-digit code. The previous code is erased and the new code is stored.

Source

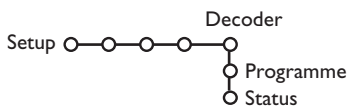


This menu allows you to indicate the peripheral you connected to one of the external inputs.

- 1 Press the cursor right to enter the list of types of peripherals attached to the selected input.
- 2 Select the peripheral device with the cursor up/down.

Once you have selected the source type, e.g. DVD, this source will automatically be selected when your remote control is in DVD mode, see p. 3, and when you press the  key on the remote control.

Decoder



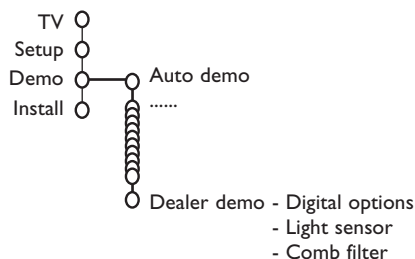
If a decoder or a descrambler is connected, see p. 15, you can define one or more programme numbers as decoder programme numbers.

- 1 Select **Decoder** with the cursor right.
- 2 Select **Programme**.

- 3 Select the programme number under which you have stored the programme coming from your decoder.
- 4 Select **Status**.
 - Select the input used to connect your decoder: **None**, **EXT1** or **EXT2**.
 - Select **None** if you do not want the selected programme number being activated as a decoder programme number.

*Note: Select **EXT2** when the decoder is connected to your EasyLink video recorder.*

Demo



The Demo menu allows to demonstrate the TV features separately or in a continuous loop.

If **Auto demo** has been selected the demo will automatically present the features sequentially in a loop. Press one of the cursor keys to stop the Auto demo.

If one of the features has been selected, this particular feature demo will run only once, and the Demo menu will reappear.

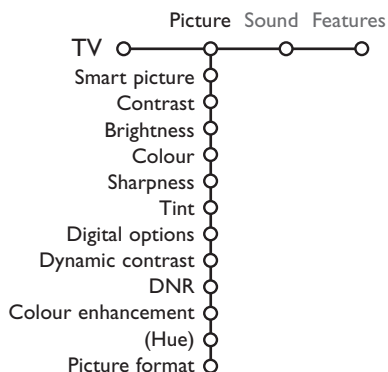
Note: The Dealer demo is not part of the automatic sequence and can only be activated separately.

TV menu

Press the **MENU** key on the remote control to summon the main menu.

Press the **i+** key on the remote control to get information about the selected menu item.

Picture menu



- 1 Press the cursor right to select **Picture**.
- 2 Select the menu items in the Picture menu with the cursor up/down.
- 3 Adjust the settings with the cursor left/right or enter the list of submenu items with the cursor right. Select a submenu item with the cursor up/down.

Note: To remove the menu background before adjusting the picture settings, see Select TV setup, General, p. 7.

Smart picture

Select **Smart picture** to display a list of predefined picture settings, each corresponding with specific factory settings.

Personal refers to the personal preference settings of picture in the picture menu.



Digital options

Pixel Plus 2 is the most ideal setting, doubles the horizontal resolution and increases the number of lines with 33%. You may consider to select Movie Plus in case a halo effect should disturb you. Dependent on your own preference, select Double lines, or 100 Hz Digital Scan.

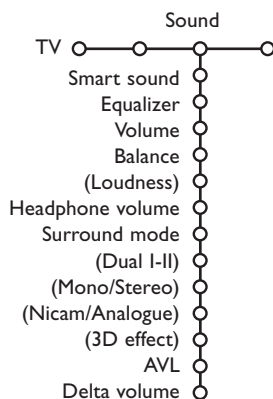
Note: When 60 Hz NTSC material is used, the options are changed to Pixel Plus 2, Movie Plus or Progressive, progressive scan without motion compensation.

Active Control

The TV continuously measures and corrects all incoming signals in order to provide the best picture possible.

- 1 Press the  key on the remote control.
- 2 The **Active Control** menu appears.
- 3 Press the cursor up/down to select the Active Control values **Off**, **Minimum**, **Medium** (recommended) or **Maximum**.
The picture settings are being optimised continuously and automatically which is displayed by bars. The menu items can not be selected.
- 4 Press the cursor right to select **Smart Picture**.
- 5 Press the cursor up/down to select one of the predefined picture settings.
- 6 Press the cursor right to select **Active Display**.
- 7 Press the cursor up/down to select **Show bars**, one of the Dual screen demos or **Off**.
When you select Dynamic contrast, Pixel Plus 2, Digital Noise Reduction or Digital Natural Motion, the TV screen is divided into two parts: in the left part the selected picture quality setting is switched off; in the right part it is switched on.
- 8 Press the  key again to switch off the Active Control menu.

Sound menu



- 1 Press the cursor right to select **Sound**.
- 2 Select the menu items in the Sound menu with the cursor up/down and adjust the settings with the cursor left/right. Remember, control settings are at normal mid-range levels when the bar scale is centred.

Smart sound

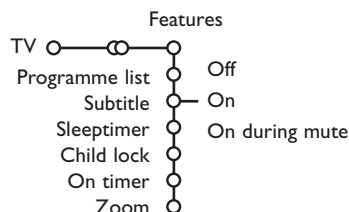
Select **Smart sound** to display a list of predefined sound settings, each corresponding with specific factory settings of Treble and Bass.

Personal refers to the personal preference settings of sound in the sound menu.

Notes:

- Some menu items are only available in case of a Cinema Link configuration and when the Cinema Link is activated. Others are steered by the audio receiver instead of by the TV. See the separate Cinema Link booklet supplied.
- **Dual I-II** is only available with dual sound transmission.
- **Mono/Stereo** is only selectable in case of analogue stereo transmission.
- **Nicam/Analogue** is only selectable in case of Nicam transmission.

Features menu



Programme list

Press the **OK** key to switch over to the selected TV channel or external.

Select subtitles

The subtitle page must be stored for each TV channel:

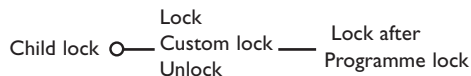
Switch on teletext and select the proper subtitle page from the index. Switch off teletext.

Subtitle On will automatically display them on the selected TV channels if subtitles are in the transmission. A symbol will indicate that the mode is on.

Select **On during mute** when you want to have the subtitles automatically displayed only when the sound has been muted with the **M** key on the remote control.

Child lock

- 1 Select Child lock.



- 2 Press the cursor right to enter the Child lock menu. You're summoned to enter your code.
Note: You have to re-enter your code each time you enter the child lock menu.

Important: You have forgotten your code !
See p. 8.

- 3 Select one of the menu items of the child lock menu:
 - **Lock** if you want to lock all channels and externals.
 - **Custom lock** and press the cursor right. Select:
 - **Lock after** if you want to lock all channels and externals from a certain time onwards. Press the cursor right and enter the time with the cursor up/down and right. Press the **OK** key to validate.
 - **Programme lock** if you want to lock a certain TV channel or external;
 - Select **Unlock** to disable all locks you have set.

- 1 Press the cursor right to select **Features**.
- 2 Select the menu items with the cursor up/down and adjust the settings with the cursor left/right.

On timer

- 1 Select **On timer** with the cursor down.



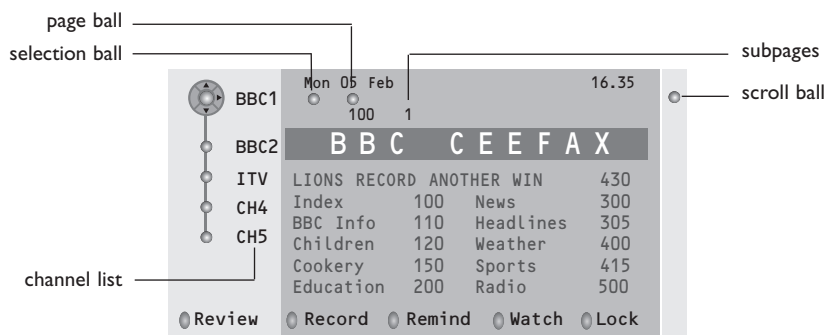
- 2 Select **On** with the cursor right.
- 3 Press the cursor right again to enter the programme list.
- 4 Select the TV channel or external you want your TV to switch to on a selected time and day.
- 5 Press the cursor right again to select a day of the week or to select **Daily**.
- 6 Press the cursor right once again to enter the time with the digit keys or with the cursor up/down and press the **OK** key to activate.
- 7 Press the **MENU** key to turn off the menu.
*Note: To check your timer settings, press the **i+** key.*

Zoom

- 1 Select **Zoom** with the cursor down and press the **OK** key.
- 2 Press the **OK** key to select one of the zoom magnifications (x1, x4, x9, x16).
- 3 Additionally you can shift the selected zoom window over the screen with the cursor keys up/down, left/right.
- 4 Press the **MENU** key to turn off the zoom function.

Teletext guide

TV channels which broadcast teletext also transmit a page with the programme guide of the day. If the displayed teletext programme guide page satisfies the Video Programming via Teletext (VPT) requirements, it will be possible to record, remind, watch or lock programmes.



- 1 Press the key.
- 2 Select a TV channel with the cursor up/down and press **OK**.
- 3 Move the cursor up to the top of the channel list where the name of the selected TV channel reappears.
- 4 Press the cursor right to move the puck over the selection ball.
- 5 In the teletext index page, look for the programme guide page of the day or the following day.
- 6 Enter with the digit keys, the programme guide page number.
Press the cursor right twice to move the puck to the right to choose one of the subpages if available.

If the selected programme satisfies the VPT requirements, the TV will remember the last selected teletext page number of that channel that contains programme guide information and indicates which programme starts at what time.

Every time you press the key, the teletext programme guide page of the selected TV channel will be available.

Note: The broadcaster is responsible for the content of the information.

Basic functions

Press one of the grey, red, green, yellow or blue keys to activate a Teletext Guide function. The keys appear in grey if the function is not available.

Review: this menu provides a list of programmes that are marked as reminders, those that have to be recorded and those that are locked. This menu can be used to change or remove marked programmes.

Record: to programme the recording of the video recorder (if it has a NEXTVIEWLink function and is connected to **EXT. 2**).

Remind: to automatically switch on the TV if it is in standby or to display a message if the TV is on.

Lock: to lock certain programmes to prevent recording or watching.

For the functions Record, Remind or Lock, a small menu pops up in which you can choose the interval: once, daily or weekly, or clear an earlier made record, remind or lock setting. The default interval is set to **Once**. To confirm the frequency, press the **OK** key.

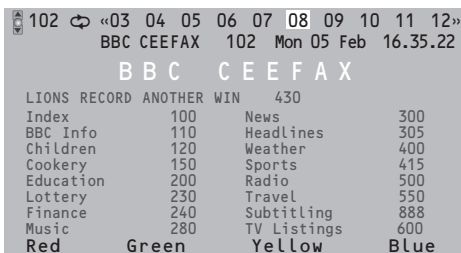
Watch: to watch the selected and currently broadcast programme.

Teletext

Most TV channels broadcast information via teletext. This TV has a 1200 pages memory that will store most broadcasted pages and subpages to reduce waiting time. After each programme change, the memory is refreshed.

Switch Teletext on and off

Press **[Menu]** to switch the teletext on.



102 «03 04 05 06 07 08 09 10 11 12»
BBC CEEFAX 102 Mon 05 Feb 16.35.22
BBC CEEFAX
LIONS RECORD ANOTHER WIN 430
Index 100 News 300
BBC Info 110 Headlines 305
Children 120 Weather 400
Cookery 150 Sports 415
Education 200 Radio 500
Lottery 230 Travel 550
Finance 240 Subtitling 888
Music 280 TV Listings 600
Red Green Yellow Blue

Select a Teletext page

- Enter the desired page number with the digit keys, the cursor keys up/down or with the **-P+** key.
- Select the options at the bottom of the screen with the colour keys.

Previously selected teletext page

(Only possible in case there is no list of favourite teletext pages available. See p. 14.)

Press the **P/P** key.

Select the index teletext page

Press the grey colour key **►►** to display the main index (usually p.100).

Only for T.O.P teletext broadcasts:

Press **[I+]**. A T.O.P. overview of the teletext subjects available is displayed.

Select with the cursor up/down, left/right the desired subject and press the **OK** key.

Not all TV channels broadcast T.O.P. teletext.

Select subpages

When a selected teletext page consists of different subpages, a list of available subpages appears on the screen.

Press the cursor left or right to select the next or previous subpage.

Enlarge a Teletext page

Press **[K+]** repeatedly to display the upper teletext part, the lower teletext part and then to return to the normal teletext page size. When the teletext page is enlarged, you can scroll the text, line by line using the cursor up/down.

Picture/Teletext

- 1 Press the **[Menu]** key. Press the **[12]** key to show Teletext on the right of the screen.
- 2 Use the cursor keys to select a TV channel.
- 3 Press the **[12]** key to switch off dual screen.

Active screen selection

When in dual screen picture/teletext (**[12]** key), enter the desired page number with the **-P+** key, then press the **MENU** key, then select the left screen (with the blue ball at the top).

You can now select a compressed or full screen view of picture/teletext with the **[K+]** key.

Hypertext

With hypertext you can quickly jump to a pagenumber or search for a specific word shown on the current teletext page.

- 1 Press the **OK** key to highlight the first word or a number on the page.
- 2 Use the cursor up/down, left/right to select any other word or number you want to search for.
- 3 Press the **OK** key to confirm. The search starts. A message appears at the bottom of the screen to indicate the searching, or that the word or page is not found.
- 4 Use the cursor up to exit hypertext.

Teletext menu

(only available in full screen teletext mode)

- 1 Press the **MENU** key to activate the menu.
- 2 Press the cursor up/down to select the menu items.
- 3 Press the cursor right to activate.

Reveal

Reveals/conceals hidden information on a page, such as solutions to riddles and puzzles.
Press the cursor right to activate.

Favourite

You may create a list of eight favourite teletext pages in total, selected from various TV channels.

To add a favourite page to the list:

- 1 Select a favourite teletext page.
- 2 Select **Favourite** in the teletext menu and press the cursor right to enter the list.
- 3 Press the cursor right again to add the page.
- 4 Press the **MENU** key to watch the current page.

To watch a favourite page from the list:

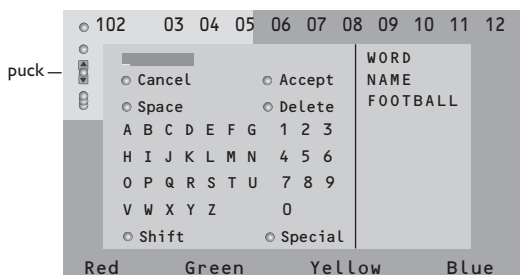
When in Teletext, use the P+P key to browse through the favourite pages of the TV channel actually selected.

Note: Only the pages of the current channel can be selected.

Search

Selecting a word

On the keyboard on screen you can type in a random word you want to search for in the teletext pages. Whether upper- or lowercase is used has no influence.



- 1 Press the cursor right to enter the keyboard.
- 2 Press the cursor left/right, up/down to select the characters, words or functions.
- 3 Press the **OK** key to confirm each character selected.

- 4 Select **Cancel** to cancel the word; **Space** to enter a space; **Delete** to delete the last character selected; **Shift** to switch between lowercase or capital characters; **Special** to display special characters on the keyboard and press the **OK** key.
- 5 Press the cursor left repeatedly to return to the Teletext menu again.

Searching a word

- 1 Type in the word on screen or select a word from the history list on the right and press **OK**.
- 2 Select **Accept** and press **OK** again. The message **Searching** appears.
- 3 To cancel the searching or to search for a new word, select **Keyboard** and press **OK**.
- 4 When a word is not found, a message appears. When the word is found, it is highlighted in the teletext page. To continue the search, press the **OK** key.

Cycle subpages (if available)

Makes the subpages cycle automatically.
Press the cursor right to activate and to deactivate again.

Timed page

To display a specific page from a selected TV channel at a certain time.

- 1 Press the cursor right and select **Yes** or **No**.
- 2 Enter the time and pagenumber with the cursor keys or the digit keys.

Note: Teletext does not have to remain switched on, but you should watch the TV channel you have selected the specific page from.

- 3 Press the cursor left to return to the TV menu again.

Language

If the displayed characters on screen do not correspond with the characters used by the teletext broadcaster, you can change the language group here.

Select **Group 1** or **2** with the cursor right.

Press the **MENU** key to leave the Teletext menu.

Connect Peripheral Equipment

There is a wide range of audio and video equipment that can be connected to your TV.

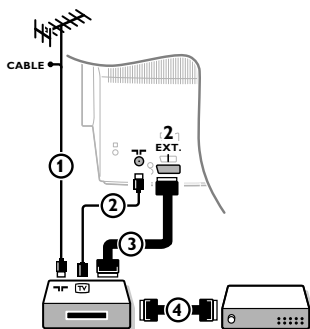
The following connection diagrams show you how to connect them.

Depending on the versions, the TV set is equipped with 2 or 3 SCART connectors EXT1, EXT2 and EXT3 located on the rear.

*Note: **EXT. 1** can handle CVBS and RGB, **EXT. 2** CVBS and Y/C, **EXT. 3** CVBS and RGB. It is preferred to connect peripherals with RGB output to **EXT. 1** or **EXT. 3** as RGB provides a better picture quality.*

*If your recorder is provided with the Easylink function, it should be connected to **EXT. 2** to benefit from the EasyLink functionality.*

Recorder (VCR-DVD+RW)



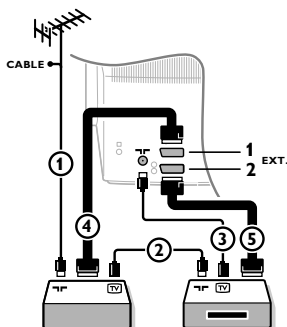
Connect the aerial cables ①, ② and, to obtain the optimum picture quality, eurocable ③ as shown.

If your recorder does not have a euroconnector, the only possible connection is via the aerial cable. You will therefore need to tune in your recorder's test signal and assign it programme number 0 or store the test signal under a programme number between 90 and 99, see Manual installation, p. 6. See the handbook of your recorder.

Decoder and Recorder

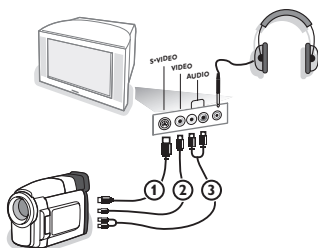
Connect a eurocable ④ to your decoder and to the special euroconnector of your recorder. See also the recorder handbook. See Decoder, p. 8. You can also connect your decoder directly to **EXT. 1** or **2** with a eurocable.

Other equipment (satellite receiver, decoder, DVD, games, etc.)



- ① Connect the aerial cables ①, ② and ③ as shown (only if your peripheral has TV aerial in-/output).
- ② Connect your equipment with a eurocable ④ or ⑤ to one of the euroconnectors **EXT.1, 2** or **3** to obtain a better picture quality.
- ③ Look for the test signal of your peripheral in the same way as you do for a recorder.
- ④ Make a selection in the Setup, Source menu, p. 8.


Side connections



Camera or Camcorder

- ① Connect your camera or camcorder as shown.
 - ② Connect to **VIDEO** ② and **AUDIO L** ③ for mono equipment. For stereo equipment also connect **AUDIO R** ④. S-VHS quality with an S-VHS camcorder is obtained by connecting the S-VHS cables with the **S-VIDEO** input ① and **AUDIO** inputs ③.
- Do not connect cable ① and ② at the same time. This may cause picture distortion !*

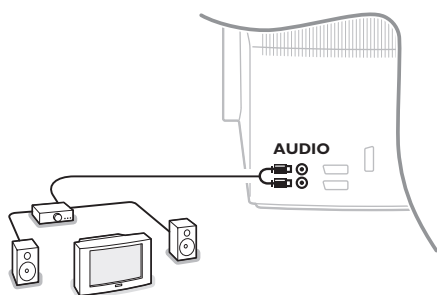
Headphone

- ① Insert the plug into the headphone socket as shown.
- ② Press  on the remote control to switch off the internal loudspeakers of the TV.

The headphone impedance must be between 8 and 4000 Ohm. The headphone socket has a 3.5 mm jack.

In the Sound menu select **Headphone volume** to adjust the headphone volume.


Stereo amplifier and two extra front speakers



- 1 Connect the audio cables to the **AUDIO** input of your amplifier and to **AUDIO L** and **R** at the back of your TV.
- 2 The output level is controlled by the volume control of the amplifier.

Note: Switch off the TV and your audio amplifier before connecting them. Set the audio amplifier's volume to minimum.

To select connected equipment

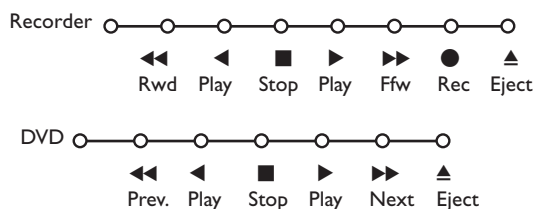
Press the  key on the remote control repeatedly to select **EXT1**, **EXT2**, **EXT3*** or **SIDE** according to where you connected your equipment at the back or the right side of your TV.

Remark : Most equipment (decoder, recorder) carries out the switching itself, when it is switched on.


** Only available on certain versions.*


Recorder or DVD with EasyLink

The recorder (VCR or DVD+RW) or DVD can be operated with the remote control via the Recorder or DVD menu on screen.



- 1 Press the **MENU** key on the remote control.
- 2 Select the **Recorder** or **DVD** menu with the cursor up/down.
- 3 Press the cursor left/right, up/down to select one of the recorder or DVD functions.

The key  for recording can be operated in the TV mode.

If your EasyLink recorder has the system standby function, when you press the  key for 3 seconds, both TV and the recorder are switched to standby.

Audio- and video equipment keys



This system remote control operates the following Philips equipment: TV, VCR, DVD, SAT (RC5), AMP (+TUNER), CD;

Press the **Select** key to operate any of the equipment indicated in the display. Another device can be selected by pressing Select repeatedly within 2 seconds. The led will blink slowly to indicate the device.

Press one of the keys on the remote control to operate the peripheral equipment. To return to TV mode press **Select** while the led is blinking.

When no action is taken within 60 seconds, the remote goes back to TV mode.

*Note: When the **Select** key is pressed and held for more than 2 seconds, the RC5/RC6 system select command is transmitted.*

	to switch to standby	MENU	to switch the menu on or off
	for pause (VCR, DVD, CD)	-P+	for chapter, channel, track selection
	for record,	0 to 9	digit entry
	for rewind (VCR, CD); search down (DVD, AMP)	P/P	tape index (VCR), select a DVD chapter, select a frequency (AMP)
	for stop		VCR timer
	for play		surround on/off (AMP, CD)
	for fast forward (VCR, CD); search up (DVD/AMP)	cursor up/down	to select the next or the previous disc (CD)
	to select your choice of subtitle language (DVD); RDS news/TA (AMP); to shuffle play (CD)	cursor left/right	to select the previous or following track (CD) search up/down (AMP)
	to select a dvd title; RDS display (AMP); info on screen (CD)		
	display information		

Additionally the DVD, SAT and CD indicator can be programmed to operate the DVD-R, SAT (RC6), CD-R instead.

- 1 Press the **Select** key repeatedly until no LED is lit.
- 2 To program **DVD-R**, press the **OK** key + digit 2.
To program **SAT (RC6)**, press the **OK** key + digit 4.
To program **CD-R**, press the **OK** key + digit 6.

From now on, when the corresponding (**DVD, SAT, CD**) indicator is selected, the remote control will operate your DVD-R, SAT (RC6) or CD-R.

*Note: To return to the modes programmed in the factory, either remove the batteries for a few minutes, or press the **OK** key + digit 1 (DVD mode); or + digit 3 (SAT-RC5) or + digit 5 (CD mode).*


Record with your recorder with EasyLink

In TV mode, it is possible to start a direct recording of the programme which is being displayed on the TV screen. Continue to press the record key on the remote control for more than 2 seconds.

Note:

Switching programme numbers on your TV does not disturb recording !

*When recording a programme from a peripheral connected to **EXT. 1**, **EXT. 3** or **SIDE**, you can not select another TV programme on the screen.*

Care of the screen	Do not touch, push or rub or strike the screen with anything hard as this may scratch, mar or damage the screen permanently. And please do not rub with dust clothes with chemical treatment. Do not touch the surface with bare hands or greasy cloth (some cosmetics are detrimental to the screen). Unplug the TV before cleaning the screen. When the surface becomes dusty, please wipe gently with absorbent cotton or other soft materials like chamois soaks. Do not use acetone, toluene and alcohol because they cause chemical damage. Do not use liquid cleaners or aerosol cleaners. Wipe off saliva or water drops as soon as possible. Their long time contact with the screen causes deformations and colour fading.
Poor Picture	<ul style="list-style-type: none"> • Have you selected the correct TV system in the manual installation menu ? • Is your TV or house aerial located too close to loudspeakers, non-earthed audio equipment or neon lights, etc.? • Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the aerial. • Is the picture or teletext unrecognisable? Check if you have entered the correct frequency. See Installation, p. 6. • Are brightness, sharpness and contrast out of adjustment? Select Factory settings in the Setup, General menu, p. 7. • Sometimes poor picture quality is possible when having activated an S-VHS camera or camcorder connected to the right side of your TV and another peripheral is connected to one of the peripherals at the same time. In this case switch off one of the other peripherals.
No picture	<ul style="list-style-type: none"> • Is the aerial connected properly? • Are the plugs tightly connected in the aerial socket? • Is the aerial cable in good condition and does it have suitable plugs?
No sound	<ul style="list-style-type: none"> • No sound on any channel? Check the volume isn't at minimum. • Is the sound interrupted with the mute key .
No solution found for your picture or sound problem ?	Switch your TV off and then on again once. Never attempt to repair a defective TV yourself. Check with your dealer or call a TV technician.
Remote control	<ul style="list-style-type: none"> • If your TV no longer responds to the remote control, the batteries may be dead or the wrong mode (TV or other peripheral, see p. 3) is selected. • You can still use the MENU key and the -/+ keys at the top of your TV.
Menu	Have you selected the wrong menu? Press the MENU key again to exit from the menu.
Standby	Your TV consumes energy in the standby mode. Energy consumption contributes to air and water pollution. Power consumption: 1 W.

Information for users in the UK

(Not applicable outside the UK)

Positioning the TV

For the best results, choose a position where light does not fall directly on the screen, and at some distance away from radiators or other sources of heat. Leave a space of at least 5 cm all around the TV for ventilation, making sure that curtains, cupboards etc. cannot obstruct the air flow through the ventilation apertures. The TV is intended for use in a domestic environment only and should never be operated or stored in excessively hot or humid atmospheres.

General Points

Please take note of the section 'Tips' at the end of this booklet.

Interference

The Department of Trade and Industry operates a Radio Interference Investigation Service to help TV license holders improve reception of BBC and IBA programmes where they are being spoilt by interference. If your dealer cannot help, ask at a main Post Office for the booklet "How to improve Television and Radio Reception".

Mains connection

Before connecting the TV to the mains, check that the mains supply voltage corresponds to the voltage printed on the type plate on the rear panel of the TV. If the mains voltage is different, consult your dealer.

Table of TV frequencies.

EUROPE					
CANAL	FREQ (MHz)	CANAL	FREQ (MHz)	CANAL	FREQ (MHz)
E2	48.25	S15	259.25	33	567.25
E3	55.25	S16	266.25	34	575.25
E4	62.25	S17	273.25	35	583.25
E5	175.25	S18	280.25	36	591.25
E6	182.25	S19	287.25	37	599.25
E7	189.25	S20	294.25	38	607.25
E8	196.25	H1	303.25	39	615.25
E9	203.25	H2	311.25	40	623.25
E10	210.25	H3	319.25	41	631.25
E11	217.25	H4	327.25	42	639.25
E12	224.25	H5	335.25	43	647.25
R1	49.75	H6	343.25	44	655.25
R2	59.25	H7	351.25	45	663.25
R3	77.25	H8	359.25	46	671.25
R4	85.25	H9	367.25	47	679.25
R5	93.25	H10	375.25	48	687.25
R6	175.25	H11	383.25	49	695.25
R7	183.25	H12	391.25	50	703.25
R8	191.25	H13	399.25	51	711.25
R9	199.25	H14	407.25	52	719.25
R10	207.25	H15	415.25	53	727.25
R11	215.25	H16	423.25	54	735.25
R12	223.25	H17	431.25	55	743.25
S1	105.25	H18	439.25	56	751.25
S2	112.25	H19	447.25	57	759.25
S3	119.25	21	471.25	58	767.25
S4	126.25	22	479.25	59	775.25
S5	133.25	23	487.25	60	783.25
S6	140.25	24	495.25	61	791.25
S7	147.25	25	503.25	62	799.25
S8	154.25	26	511.25	63	807.25
S9	161.25	27	519.25	64	815.25
S10	168.25	28	527.25	65	823.25
S11	231.25	29	535.25	66	831.25
S12	238.25	30	543.25	67	839.25
S13	245.25	31	551.25	68	839.25
S14	252.25	32	559.25	69	855.25

Important

This apparatus is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug proceed as follows :

1. Remove fuse cover and fuse.
2. Fit new fuse which should be a BS1362 5A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

In order to maintain conformity to the EMC directive, the mains plug on this product must not be removed.

Connecting the aerial

The aerial should be connected to the socket marked x at the back of the set. An inferior aerial is likely to result in a poor, perhaps unstable picture with ghost images and lack of contrast. Make-shift or set-top aerials are unlikely to give adequate results.

Your dealer will know from experience the most suitable type for your locality. Should you wish to use the set in conjunction with other equipment, which connects to the aerial socket such as TV games, or a video camera, it is recommended that you consult your dealer on the best method of connection.

Stand (if provided)

Use only the stand provided with the set, making sure that the fixings are properly tightened. A diagram showing how to assemble the stand is packed with the stand. Never use a make-shift stand, or legs fixed with woodscrews.

FRANCE	
CANAL	FREQ (MHz)
2	55.75
3	60.50
4	63.75
5	176.0
6	184.0
7	192.0
8	200.0
9	208.0
10	216.0
B	116.75
C	128.75
D	140.75
E	159.75
F	164.75
G	176.75
H	188.75
I	200.75
J	212.75
K	224.75
L	236.75
M	248.75
N	260.75
O	272.75
P	284.75
Q	296.75

ITALY	
CANALE	FREQ (MHz)
A	53.75
B	62.25
C	82.25
D	175.25
E	183.75
F	192.25
G	201.25
H	210.25
H1	217.25

3111 256 1336.1
ESP EMG

